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ABSTRACT

The Education Evaluation and Planning Package provides a performance statement check list approach to the comprehensive educational evaluation required by Massachusetts law for special education students. The vocational area of this package is intended to be used to assess various skills necessary to hold a job. There are four components of this area: (1) The Vocational Screening Assessment, which provides an overview of skills listed and an opportunity to determine the vocational sub-areas which require in-depth evaluation, (2) the Vocational Performance Statements, which allow an extensive evaluation of specific vocational performance, (3) the Next Step Suggestions, which facilitate task sequencing and complimentary activity selection, and which include a task analysis chart, skill cluster chart and three lists of prerequisite program skills, and (4) the Objectives Worksheet, which aids in the translation of performance statements into behavioral objectives.
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educational evaluation and planning package

vol.3

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EDUCATIONAL EVALUATION AND PLANNING PACKAGE

VOLUME 3 - VOCATIONAL SKILLS

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The Commonwealth of Massachusetts

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ROBERT H. AUDETTE, PH.D.
Associate Commissioner
Division of Special Education

Dear Educator:

One of the basic concepts underlying Chapter 766 is that any student who is referred for special education services should receive a comprehensive educational evaluation. The information resulting from the various assessments included in the evaluation is essential to the development of individually appropriate educational plans. Most existing assessment devices do not provide the kind of detailed assessment information necessary to develop such plans.

It is our belief that the enclosed educational evaluation and planning package provides an excellent tool for Core Evaluation Teams to begin to address the kind of specificity that is necessary for quality educational plans. Used appropriately it provides the Core Evaluation Team with the required detail information necessary for both specifying the skills of the individual student, as well as identifying the appropriate objectives which should be attained during the school year.

While this effort does not represent in any way a final answer, I believe that it brings the process one step closer to being meaningful in the provision of individualized instruction to all special needs students. I endorse the use of the educational evaluation and planning package as a replacement for the rather lengthy list of performance statements which was included in the original Core Evaluation Manual.

I hope that this and future efforts on our part will be of assistance to you in the development of appropriate educational services for all of your students.

Sincerely,

A handwritten signature in dark ink, appearing to read "R. Audette", written over the typed name.

Robert H. Audette
Associate Commissioner
Division of Special Education

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PREFACE

In an attempt to ensure that meaningful educational opportunities are provided for all students with special needs, the United States Congress has mandated a comprehensive special education law, P.L. 94-142 (Education of All the Handicapped Act). This law requires that all handicapped students receive appropriate educational services. The basis for the provision of these services is an intensive evaluation of the referred student's abilities and needs which leads to the development of an individualized education plan. The law establishes minimum standards for educational assessment procedures and placement decisions. Specifically, the planning procedure consists of a series of detailed assessments to identify the student's current level of performance and a team meeting(s) to develop a prescriptive educational plan that meets the individual needs of the student.

P.L. 94-142 requires a multidiscipline evaluation team which, collectively, is capable of performing all the assessments (medical, social, psychological, educational, etc.) necessary to develop a comprehensive, individualized educational plan. Once the assessment information has been collected, the team must develop an individually appropriate educational plan which includes general goals and specific instructional objectives. The entire procedure is designed to shift the emphasis in educational assessment and planning from the categorical group to the individual student.

The development of educational plans with specific objectives requires that assessment results be reported in clear, concise and measurable statements. To ensure this specificity, the law prescribes general procedures to be followed when reporting assessment results and when developing educational plans. These procedures require a reorientation in the concept of educational assessment. Educational assessment traditionally has meant psychological testing; frequently the test was a standardized intelligence test. Although useful for categorizing students, (e.g., mentally retarded, emotionally disturbed), standardized tests usually do not provide the teacher with the type of detailed information needed to develop meaningful instructional objectives.

One common alternative to standardized tests has been rating scales, such as the Cain Levine Social Competency Scale and the Vineland Social Maturity Scale. Generally these scales attempt to evaluate a student's behavior by having someone who knows the student well enough to report the student's typical behavior regarding specific skills. The major weakness of these scales has been their reliance on representative skills to assess a broad cluster of behaviors. Unfortunately, this weakness is serious, since experience has demonstrated that a handicapped student's ability to perform a specific skill does not assure later generalization to similar skills.

A simple solution would appear to be to assess all the skills within a relevant skill area by using an extensive skill checklist. Unfortunately, such a procedure is extremely time consuming and often inundates the assessment process with too much information. The Educational Evaluation and Planning Package (EEPP) with its macro/micro assessment procedure attempts to avoid the drawbacks of previous scaling and checklist systems while allowing the evaluator to make statements about specific skills within an acceptable time frame.

INTRODUCTION

The Vocational area of the Educational Evaluation and Planning Package is intended to be used to assess various vocationally related skills. There are four components of this area:

- 1) Vocational Screening Assessment: This tool is designed to expedite the use of the Vocational Performance Statements by providing an overview of skills listed and an opportunity to determine the vocational sub-areas which require indepth assessment.
- 2) Vocational Performance Statements: These performance statements, developmentally arranged, allow an extensive evaluation of specific vocational performance.
- 3) Next Step Suggestions: These materials are intended to facilitate the sequencing of tasks and the selection of complimentary activities. Materials provided include a task analysis chart, a skill cluster chart, and three lists of prerequisite program skills.
- 4) Objectives Worksheet: This worksheet is provided to assist the evaluator in translating the performance statements into behavioral objectives.

These four components, when used in conjunction with other assessment materials, are designed to provide the team with the information necessary to develop individually appropriate vocational objectives.

VOCATIONAL SCREENING ASSESSMENT

Each part of the screening device corresponds to a cluster of performance statements. The statements have been selected as representative of the cluster. Within each part, check "Yes" if the student displays the skill at appropriate times and places and without assistance. Check "No" if any aspect of the student's performance does not meet those criteria. Check "Non-Applicable" (NA) if performance is medically impossible or developmentally inappropriate. The evaluator should complete the entire screening device.

In cases where all responses on the screening device are "Yes", the screening device can serve as the complete vocational evaluation. If any cluster has one or more "No" responses, the evaluator should complete the performance statements for that cluster.

MOTOR DEVELOPMENT

	Yes	No	N/A
1A Gross Motor			
1. Rises and stands without support.	☐	☐	☐
2. Bends at waist from standing position to retrieve object on floor.	☐	☐	☐
3. Walks up and down stairs.	☐	☐	☐
4. Lifts and carries small cartons.	☐	☐	☐
1B Visual Motor/Fine Motor			
1. Transfers objects from hand to hand.	☐	☐	☐
2. Folds paper in half.	☐	☐	☐
3. Connects a dot to dot drawing.	☐	☐	☐
4. Builds a tower of nine blocks.	☐	☐	☐

ACTIVITIES OF DAILY LIVING

2A Eating			
1. Uses appropriate utensils skillfully.	☐	☐	☐
2. Eats/drinks with appropriate manners.	☐	☐	☐
3. Carries cafeteria tray.	☐	☐	☐
4. Selects items from coin operated machines.	☐	☐	☐
2B Dressing			
1. Arrives at work in appropriate outer garments.	☐	☐	☐
2. Dresses in special work clothes when appropriate.	☐	☐	☐
3. Wears all clothing appropriately.	☐	☐	☐
2C Grooming/Toileting			
1. Keeps hair combed/brushed.	☐	☐	☐
2. Displays independent toileting hygiene.	☐	☐	☐

LANGUAGE

3A Receptive			
1. Touches or points to objects upon request.	☐	☐	☐
2. Touches or points to various size objects upon request.	☐	☐	☐
3. Touches or points to different currency upon request.	☐	☐	☐
4. Indicates position (inside, top, etc.) upon request.	☐	☐	☐
3B Expressive			
1. Names common objects.	☐	☐	☐
2. Names lengths, sizes, etc.	☐	☐	☐
3. Names currency up to \$10.00 bill.	☐	☐	☐

WORK ATTITUDES

4A Punctuality			
1. Arrives at work punctually.	☐	☐	☐
2. Returns punctually from coffee break/lunch.	☐	☐	☐

	Yes	No	N/A
4B Attending to Task			
1. Attends to task during one to one tutorial.	☐	☐	☐
2. Attends to table task (alone) for one hour.	☐	☐	☐
3. Attends to task despite environmental distractions.	☐	☐	☐
4. Attends to task when another sits opposite or beside.	☐	☐	☐
4C Responsibility/Self Confidence			
1. Conforms to workshop regulations.	☐	☐	☐
2. Takes care of personal belongings.	☐	☐	☐
3. Accepts criticism and attempts to implement suggestions.	☐	☐	☐
4. Accepts responsibility for failure.	☐	☐	☐
4D Initiative			
1. Performs duties beyond requirements.	☐	☐	☐
2. Initiates activities.	☐	☐	☐
4E Response to Pressure			
1. Responds positively to supervisor's instructions to increase productivity.	☐	☐	☐
2. Responds to request to complete job by specific time.	☐	☐	☐
4F Frustration Tolerance			
1. Continues on-task behavior despite obstacles.	☐	☐	☐
2. Maintains rate on highly repetitive tasks.	☐	☐	☐
3. Remains calm when peer has preferred task/assignment.	☐	☐	☐
4. Waits patiently if delay during team task.	☐	☐	☐
4G Adaptability to Changes			
1. Continues task although situated at new workbench, room, etc.	☐	☐	☐
2. Follows instructions from several different instructors.	☐	☐	☐
3. Changes task successfully.	☐	☐	☐
<u>SOCIALIZATION</u>			
5A Cooperation			
1. Accepts all task assignments.	☐	☐	☐
2. Cooperates as part of three person team.	☐	☐	☐
3. Compromises to resolve a conflict.	☐	☐	☐
5B Interpersonal Relations			
1. Interacts successfully with peers.	☐	☐	☐
2. Interacts successfully with staff.	☐	☐	☐
3. Participates in group activities.	☐	☐	☐
4. Apologizes when in error.	☐	☐	☐
5C Safety			
1. Wipes up spills immediately.	☐	☐	☐
2. Follows safety instructions for machine use.	☐	☐	☐
3. Calls for help in emergencies.	☐	☐	☐
4. Follows directions during fire drill.	☐	☐	☐
5D Travel			
1. Selects appropriate bus.	☐	☐	☐
2. Waits turn when boarding vehicle.	☐	☐	☐
3. Can use taxi transportation.	☐	☐	☐
4. Asks assistance when necessary.	☐	☐	☐
5E Job Application/Interview			
1. Can complete application independently.	☐	☐	☐
2. Arrives for interview on time.	☐	☐	☐
3. Answers questions honestly and relevantly.	☐	☐	☐
5F Pre-work/After-work Routine			
1. Responds to work buzzer by proceeding to the work area.	☐	☐	☐
2. Uses time clock accurately.	☐	☐	☐
3. Replaces work material and cleans work area at day's end.	☐	☐	☐
4. Leaves workshop at appropriate time.	☐	☐	☐

5G Use of Money	Yes	No	N/A
1. Identifies common currency.	☐	☐	☐
2. Identifies price of objects in store.	☐	☐	☐
3. Computes correct change up to \$20.00	☐	☐	☐
4. Maintains savings account independently.	☐	☐	☐

WORK SKILLS

6A Matches			
1. Matches objects.	☐	☐	☐
2. Matches by color.	☐	☐	☐
3. Matches numbers.	☐	☐	☐
4. Matches by size.	☐	☐	☐
6B Sorts			
1. Sorts objects.	☐	☐	☐
2. Sorts by color	☐	☐	☐
3. Sorts numbers.	☐	☐	☐
4. Sorts by size.	☐	☐	☐
6C Visual Memory			
1. Retrieves matching objects (20 feet away).	☐	☐	☐
2. Retrieves matching currency (20 feet away).	☐	☐	☐
6D Classification			
1. Combines objects by attribute relations.	☐	☐	☐
2. Combines objects by comparison relations.	☐	☐	☐
6E Sequencing			
1. Strings colored beads by extending 4 color pattern.	☐	☐	☐
2. Sequences the numbers 1-100 on number cards.	☐	☐	☐
3. Performs 7-10 step task in corresponding sequence.	☐	☐	☐
6F Construct/Assembly			
1. Places large pegs in pegboard.	☐	☐	☐
2. Packages into plastic bag 5-7 items.	☐	☐	☐
3. Assembles product with 8-20 parts.	☐	☐	☐
4. Assembles pre-scored small boxes.	☐	☐	☐
5. Snaps-in 3-6 electronic components onto board w/o model.	☐	☐	☐
6G Use of Tools			
1. Hammers nail into wood block.	☐	☐	☐
2. Cuts strips of wire to specific length with wire stripper.	☐	☐	☐
3. Seals carton using staple gun.	☐	☐	☐
4. Operates foot-operated heat sealer to seal objects into small bag.	☐	☐	☐
5. Drills marked hole into metal plate with power drill.	☐	☐	☐
6H Task Approach - Task Completion			
1. Repeats a familiar task in imitation.	☐	☐	☐
2. Completes all work in allotted time.	☐	☐	☐
6I Job Task Acquisition			
1. Learns to proficiency new job task of 2-5 steps in 60 minutes.	☐	☐	☐
2. Learns to proficiency new job task of 6-10 steps in 30 minutes.	☐	☐	☐
6J Quality/Quantity of Work Produced			
1. Completes 2-5 step repetitive task with 10% error rate.	☐	☐	☐
2. Completes 6-10 step repetitive task at 100% industrial rate.	☐	☐	☐

MATH/MEASUREMENT

7A Numbers/Numeration			
1. Counts by two's to twenty.	☐	☐	☐
2. Identifies numbers before/after any number.	☐	☐	☐
3. Identifies Roman numerals.	☐	☐	☐
7B Addition/Subtraction of Whole Numbers			
1. Computes addition facts with sums less than 10.	☐	☐	☐
2. Computes subtraction facts with sums less than 10.	☐	☐	☐

		Yes	No	N/A
7C	Time			
	1. Sequences yesterday, today, tomorrow.	☐	☐	☐
	2. Understands "on time".	☐	☐	☐
	3. States current day, month and year.	☐	☐	☐
	4. Tells time to nearest five minute interval.	☐	☐	☐
7D	Linear			
	1. Sequences objects by length.	☐	☐	☐
	2. Uses standard measuring devices.	☐	☐	☐
	3. Measures with English system.	☐	☐	☐
	4. Adds/subtracts measurement.	☐	☐	☐
7E	Weight			
	1. Uses scale as a measuring device.	☐	☐	☐
	2. Identifies weight abbreviations.	☐	☐	☐
	3. Computes relationships (e.g., 2 tons = 4,000 pounds).	☐	☐	☐
	4. Uses Metric system.	☐	☐	☐
7F	Liquid			
	1. Computes container capacity with measuring devices.	☐	☐	☐
	2. Measures with English system.	☐	☐	☐
	3. Measures with Metric system.	☐	☐	☐
	4. Adds/subtracts measurements.	☐	☐	☐
7G	Volume			
	1. Measures volume of three dimensional figure in English and Metric units.	☐	☐	☐
	2. Identifies volume abbreviations.	☐	☐	☐
	3. Computes relationships (e.g., cubic foot = 1728 cubic inches).	☐	☐	☐
7H	Temperature			
	1. Understands meaning of hot, cold, etc.	☐	☐	☐
	2. Uses appropriate measuring devices.	☐	☐	☐
	3. Identifies relevant abbreviations.	☐	☐	☐

VOCATIONAL PERFORMANCE STATEMENTS

The performance (or skill) statements are labeled by sub-skill (e.g., ADL, Work Attitudes) and cluster (e.g., dressing) to assist the evaluator in conducting the assessment. The evaluator assesses the student in regard to each performance statement listed within each cluster and marks the elements on the form which most accurately describe the student's performance of the skill. The following is an explanation of each of the response categories (see forms) for each performance statement:

- A. Performs skills independently: Mark this space if the student displays the skill listed at appropriate times and places without requiring assistance.
- B. Type of assistance: Mark spaces in this section in cases where the student displays the skill stated, but needs assistance or special attention to do so. More than one space may be checked. The descriptors of assistance are:

social/motivational: performs the task when given social praise or a form of tangible reinforcement or reward.

mechanical aides: performs the task appropriately when aided through mechanical intervention (e.g., molds, jigs). A mark in this column should be elaborated in the comments section.

directions: performs the task when verbal cues are given throughout performance. For example, check this space if the student needs to be reminded of next steps in packaging items in plastic containers. For hearing impaired students, check here if cues are delivered gesturally rather than verbally.

demonstration: performs the task only after the evaluator physically demonstrates the task or after observing audio-visual demonstration.

physical: performs the task when physical cues are given. For example, in partial assistance, the student will use a three hole punch if assisted to orient paper. Total physical assistance would necessitate aiding the student through every step of the task.

- C. Unobserved/not applicable: Use this space to indicate that you have not seen the student display the skill. This space can also be used to indicate that this statement is not applicable to the particular student. For example, the statement "shaves face" is not applicable to a female student. If the skill is unobserved, write "U" in the space; if it is not applicable, write "NA".

- D. Comments, special equipment, etc.: Use this space to further explain any of the items checked or to make notes of materials or equipment. Comments may be made on:

duration - does task but takes an unnecessarily long time.

setting - performs the task but does so in situations that are inappropriate. For example, the student can unbutton front buttons but unbuttons his shirt during work.

frequency - does task too often. For example, the student who can hammer a nail but continues to hammer after the nail is set.

The checkoff format is provided to assist the evaluator in identifying and reporting performance. The categories provided should not be viewed as compulsory or all inclusive. The evaluator should freely use the comments section to record any additional impressions of the student's performance.

VOCATIONAL

sub-skill: MOTOR DEVELOPMENT

cluster: GROSS MOTOR

1A

performance statements:

PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
	Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Stabilizes and supports head while sitting and standing.								
Controls head during movement from side to side.								
Controls head during movement up and down.								
Controls head during circularly movement.								
Sits and pivots while on backless stool.								
Sits and pivots while on back supported chair or stool.								
Bends at waist from seated position to retrieve object on floor.								
Stands up then sits down.								
Rises and stands without support.								
Stands and pivots.								
Bends at waist from standing position to retrieve object on floor.								
Flexes arm(s) at elbow.								
Has 180 degree elbow(s) extension.								
Reaches for object with one and/or both hands within 18 in. range.								
Flexes arm(s) shoulder.								
Pulls toward/pushes away object from self with hand(s).								
Moves object from one side of table to the other.								
Holds object between two hands.								
Rotates wrist(s).								
Removes carton of materials (10 lbs.) from waist-level shelf.								
Carries and then gently places carton (10 lbs., 1'x2') onto work bench.								
Bends knees to pick up object on floor.								
Lifts carton (10 lbs., 1'x2') from floor and places onto workbench.								
Pushes/pulls large objects on floor and steers around other objects (furniture).								
Flexes leg(s) at knee and ankle.								
Walks up and down stairs.								

VOCATIONAL

sub-skill:

MOTOR DEVELOPMENT

cluster:

1B

VISUAL MOTOR/FINE MOTOR (EYE-HAND COORDINATION, DIGITAL MOVEMENT, MANUAL DEXTERITY, AND ARM, HAND, FINGER-THUMB LOCALIZATION)

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Picks up object with palmer grasp.									
Releases object from palmer grasp.									
Transfers object(s) from one hand to another.									
Picks-up marble-sized object(s) with pincer grasp (opposes thumb and first two fingers).									
Releases object(s) from pincer grasp (gradual, symmetrical extension of finger).									
Builds a tower of 3-4 blocks.									
Transfers objects from container to container.									
Strings large/small beads.									
Places peg in pegboard.									
Places varied shaped forms into form board.									
Unscrews jarcover.									
Scribbles with pencil (specify palmer or pincer grasp).									
Uses both hands together, one holding, one manipulating (ex.: writing on paper).									
Screws together large plastic bolt and nut.									
Screws together 2" metal bolt & 3/4" nut.									
Screws together 3/4" metal bolt & 1/2" nut.									
Colors within lines.									
Traces various geometric shapes.									
Connects a dot-to-dot drawing.									
Stretches elastic band from secured point to secure onto nail.									
Folds paper in half.									
Picks-up 10 pencils, sequentially, with one hand.									
Cuts with scissors on pre-drawn straight line on paper.									
Cuts with scissors on pre-drawn curved line on paper.									
Folds paper in thirds (ie.: to insert into envelope).									
Builds a tower of 9 blocks.									
Snap 1/4" cathode into electronic circuit board.									

VOCATIONAL

sub-skill: ACTIVITIES OF DAILY LIVING

cluster: EATING

2A

performance statements:

[illegible]

VOCATIONAL

sub-skill: ACTIVITIES OF DAILY LIVING

cluster: DRESSING

2B

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: ACTIVITIES OF DAILY LIVING

cluster: GROOMING/TOILETING

2C

performance statements:

[illegible]

VOCATIONAL

sub-skill: LANGUAGE

cluster: RECEPTIVE (POINTS/TOUCHES
OR RETRIEVES UPON REQUEST)

3A

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE					UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance	
Touches or points to articles of clothing (shirt, socks, dress, underwear, belt, coat).								
Touches or points to objects (pencil, shoe, ruler, book, crayon, pencil, scissors).								
Touches or points to body parts on a mannequin.								
Touches or points to pictures of objects (tooth-brush, television, house, car, shovel).								
Touches or points to nine basic color cards.								
Touches or points to various geometric shapes.								
Touches or points to long or short items (ribbon, string).								
Touches or points to big-little sizes (adult shoe or infant shoe).								
Touches or points to long, medium, or short sized pegs).								
Touches or points to numbers 1-12 on cards.								
Touches or points to each of 26 upper case letters.								
Touches or points to each of 26 lower case letters.								
Touches or points to correct letter from mixed upper and lower case letters.								
Touches or points to own first name from one of 5 printed word cards (4 words non-names).								
Touches or points to own first name from 5 printed name word cards.								
Touches or points to functional words (open, closed ...)								
Touches or points to different currency (penny, nickel, dime, quarter, half dollar, dollar bill).								
Places block to the right/left of box.								
Places block under/on top of box.								
Places block in/out of open box.								
Places block behind/in front of box.								
Places block beside box.								
Places block between/away from two boxes.								
Points to higher/lower of two objects.								
Points to smaller/larger of two objects.								
Points to longer/shorter of two objects.								
Points to near end/far end of box.								
Retrieves all/some from group of 10 or more blocks.								

VOCATIONAL

sub-skill: LANGUAGE

cluster: RECEPTIVE (CONT'D)

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: LANGUAGE

cluster: EXPRESSIVE (NAMES OR SIGNS)

3B

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK ATTITUDES

cluster: PUNCTUALITY

4A

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: WORK ATTITUDES

cluster: RESPONSIBILITY/SELF CONFIDENCE

4C

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK ATTITUDES

cluster:	INITIATIVE
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4D

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK ATTITUDES

cluster: RESPONSE TO PRESSURE

4E

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill:

WORK ATTITUDES

cluster:

FRUSTRATION TOLERANCE

4F

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK ATTITUDES

cluster: ADAPTABILITY TO CHANGES

4G

performance statements:

[illegible]

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: COOPERATION

5A

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: INTERPERSONAL RELATIONS

5B

performance statements:

[illegible]

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: SAFETY

5C

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Calls (signals) for help in emergencies.									
Promptly reports fire to supervisor.									
Leaves familiar building by at least 2 alternative routes within 30 seconds.									
Avoids elevators/escalators in case of fire.									
Tells supervisor when detects gas leak odor.									
Exercises care when using sharp tools and instruments.									
Unplugs electrical cord from socket by holding plug.									
Unplugs electrical machinery or appliances prior to cleaning.									
Follows safety instructions specific to the use of machinery.									
Uses electrical appliances away from water.									
Reports to supervisor damaged cord, wire, or plug.									
Uses cross walk to cross street.									
Looks "both ways" before crossing street.									
Responds appropriately to "walk" and "don't walk" signals.									
Walks on sidewalk or on side of road.									
Looks for vehicle traffic before stepping off curb.									
Uses appropriate door for "in" and "out."									
Keeps stairs clear of obstructions.									
Promptly wipes up or reports spills to supervisor.									
Exercises caution when using items marked poison.									
Stores poisons away from foods.									
Extinguishes match before disposing it.									
Demonstrates use of fire alarm (model) and communicates reason for it's use.									
Follows directions during fire drill.									
Uses paring knife safely.									
Washes knives carefully.									
Turns electricity off when changing light bulbs.									
Keeps money in wallet, pocketbook, or pocket of clothes.									

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: TRAVEL

5D

performance statements:

[illegible]

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: JOB APPLICATION/INTERVIEW

5E

performance statements:

[illegible]

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: PRE-WORK/AFTER-WORK ROUTINE

5F

performance statements:

[illegible]

VOCATIONAL

sub-skill: SOCIALIZATION

cluster: USE OF MONEY

5G

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK SKILLS

cluster: MATCHING

6A

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Matches objects (shoe, glass, hat, toothbrush, dish, spoon, crayon, towel, soap, comb).									
Matches pictures of objects (shoe, apple, hat, dog, crayon, horse, ball, car)									
Matches pictures of objects with distracting color background.									
Matches 9 color cards (red, green, blue, yellow, purple, orange, black, white, brown).									
Matches objects with pictures of those objects.									
Matches geometric shapes having different colors (red square to blue square).									
Matches objects (ribbon, screws, wooden blocks) according to size (long-short).									
Matches objects (buttons, blocks, elastics) of mixed colors according to sizes (large-small).									
Matches objects (rope) of mixed color and shape according to size-(long-short)(long, red, thick string to long, blue, thin string).									
Matches number cards (1-10).									
Matches number cards (1-10) having different colors.									
Matches numbers cards (1-10) of different size.									
Matches number cards (1-10) of mixed size and color.									
Matches upper case letter cards.									
Matches lower case letter cards.									
Matches upper and lower case letter cards to letter (A-a, g-g).									
Matches upper and lower case letters having mixed colors.									
Matches 10 (common) printed word cards (men, women, exit, pull, push, open, keep out, danger, restroom).									
Matches currency (penny, nickel, dime, quarter, half-dollar, dollar bill).									
Matches word card with appropriate common object (comb, book, pencil,...).									
Matches word card with appropriate picture card.									
Matches word card with appropriate card color.									
Matches word card with geometric shapes with appropriate picture card.									
Matches single item currency with corresponding number card (quarter: 25c).									
Retrieves correct amount of currency that corresponds to number card (17c: dime, nickel, 2 pennies or other combination).									

VOCATIONAL

sub-skill: WORK SKILLS

cluster: SORTING

GB

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK SKILLS

cluster: VISUAL MEMORY

6C

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: WORK SKILLS

cluster: CLASSIFICATION

6D

performance statements:

[illegible]

VOCATIONAL

sub-skill:

WORK SKILLS

cluster:

SEQUENCING

GE

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK SKILLS

cluster: CONSTRUCT/ASSEMBLY

6F

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Places large and small pegs in pegboard.									
Places 5 puzzle inserts into their appropriate separate slots.									
Assembles two piece picture puzzle.									
Assembles four piece picture puzzle.									
Places colored pegs into corresponding colored sections on pegboard.									
Assembles 3 piece interlocking piece puzzle into puzzle board.									
Packages into open box: 2 items									
3-4 items									
5-7 items									
8-20 items									
Packages into plastic bag: 2 items									
3-4 items									
5-7 items									
8-20 items									
Collates: 2 sheets									
3 sheets									
4-7 sheets									
8-20 sheets									
Stuffs computer card into large envelope.									
Stuffs computer card into exact-sized envelope.									
Stuffs into envelope 3 different items (computer card, folded letter, postcard).									
Screws together a 1/2" nut and 1 1/2" bolt.									
Assembles simple product with: 2 parts									
3-4 parts									
5-7 parts									
8-20 parts									
Removes backing of gummed label.									
Affixes gummed label to box, container, or sheet.									
Marks address on envelope with rubber stamp.									
Affixes scotch tape to close box cover.									
Staples 2 8 x 11" sheets in upper left corner (sheets even).									
Staples 3-5 8 x 11" sheets up upper left corner (sheets even).									
Staples 6-20 8 x 11" sheets in upper left corner (sheets even).									
Ties string through eyelet of laundry tag.									
Ties knot at end of cord within 1/2 inch to end.									
Completes a 10-piece puzzle.									

VOCATIONAL

sub-skill: WORK SKILLS

cluster: CONSTRUCT/ASSEMBLY
(CONT'D)

performance statements:

PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE					UNOBSERVED/NOT APPLICABLE
	Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance

COMMENTS

Assembles pre-scored small boxes (less than 10x10").

Measures items with standard ruler to $\frac{1}{2}$ ".

Encloses 2 like items with rubber band.

Encloses 3-4 different sized items with rubber band.

Folds 8 x 11" paper in half.

Folds 8 x 11" paper in thirds.

Pastes glue onto cut out paper design.

Places glued cut out design onto outline of sheet.

Fills marked container with liquid to capacity.

Fills marked container with liquid to $\frac{1}{2}$ volume.

Fills marked container with liquid to $\frac{1}{4}$ volume.

Fills container with powder to capacity.

Fills container with powder to $\frac{1}{2}$ capacity.

Fills container with powder to $\frac{1}{4}$ capacity.

Assembles packing crates (specify dimensions) without tape (interlocking end flaps).

Assembles packing crates (specify dimensions) with tape.

Snaps-in 3-6 electronic components onto board with model.

Snaps-in 3-7 electronic components onto board without model.

Snaps-in 7-15 electronic components given model.

VOCATIONAL

sub-skill: WORK SKILLS

cluster: USE OF TOOLS

6G

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Darns yarn with hook to make rug.									
Cuts paper on drawn line with 6" scissors (specify distance cut).									
Cuts cloth on drawn line with 6" scissors (specify distance cut).									
Cuts cardboard on drawn line with 9" scissors (specify distance cut).									
Hammers 1" nail (already started) into wood block.									
Starts 2" nail with hammer into wood block.									
Hammers 3" nail into wood block.									
Removes tack from wood with pliers.									
Starts screwing 1/4" screw with 3" screwdriver (flat-head or philips).									
Finishes screwing 1/4" screw with 3" screwdriver (flathead or philips).									
Starts screwing 1" screw with 6" screwdriver (flat-head or philips).									
Finishes screwing 1" screw with 6" screwdriver (flat-head or philips).									
Cuts strips of wire to specified length with wire stripper.									
Uses 3" open-end wrench to tighten screw to stationary bolt.									
Uses 10" open-end wrench to tighten screw to stationary bolt.									
Uses handsaw to cut 6" drawn line on wood (secured in vise).									
Uses triple hole punch (specific # of pages).									
Removes desired length of tape from scotch tape dispenser (weighted).									
Removes desired length of tape from masking tape dispenser.									
Removes desired length of tape from automatic tape dispenser.									
Attaches cloth to board with stapler.									
Staples 100 sheets together with heavy-duty stapler.									
Seals carton using staple gun.									
Measures objects on triple beam balance to pre-set amount.									
Uses hand operated heat sealer to seal objects into small bag.									
Operates foot-operated heat sealer to seal objects into small bag.									
Tighten nut and bolt onto board (held by vise) using two wrenches - one stabilizing, one turning.									
Sands block of wood till smooth with sandpaper.									

VOCATIONAL

sub-skill: WORK SKILLS

cluster: USE OF TOOLS (CONT'D)

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK SKILLS

cluster: JOB TASK ACQUISITION

61

performance statements:

[illegible]

VOCATIONAL

sub-skill: WORK SKILLS

cluster:	TASK APPROACH - TASK COMPLETION
CH	

6H

performance statements:

PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE									
	Social/Motivational									
	Directions									
	Demonstration									
	Mechanical Aides									
	Total Physical Assistance									
Partial Physical Assistance										
UNOBSERVED/NOT APPLICABLE										

COMMENTS

VOCATIONAL

sub-skill: WORK SKILLS

cluster: QUALITY/QUANTITY OF WORK
PRODUCED

64

performance statements:

[illegible]

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: NUMBER/NUMERATION

7A

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: ADDITION/SUBTRACTION OF WHOLE NUMBERS

7B

performance statements:

[illegible]

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: TIME

7C

performance statements:

	PERFORMS SKILL INDEPENDENTLY	TYPE OF ASSISTANCE						UNOBSERVED/NOT APPLICABLE	COMMENTS
		Social/Motivational	Directions	Demonstration	Mechanical Aides	Total Physical Assistance	Partial Physical Assistance		
Identifies time of important events (e.g., bedtime, lunch time, noon, morning, afternoon, rising time, midnight).									
Sequences yesterday, today, tomorrow.									
Identifies the passage of daylight time and night time as equal to one day.									
Understands "on time".									
Identifies faster-slower.									
Defines: "hurry"									
"wait"									
"next"									
"early-late"									
"a day ago"									
"a week ago"									
"late, later, latest"									
"early, earlier, earliest"									
"never"									
States: number of days per week									
number of days per year									
number of weeks per year									
number of months of year									
days of week									
seasons of year									
Sequences seasons of year.									
Identifies calendar.									
States current month, last month, next month.									
Identifies which day of week a specific date will fall on using a calendar.									
Identifies dates to numerical form (e.g., 4/1/76).									
Computes dates to numerical form (e.g., 4/1/76)									
Identifies hands on clock (big, little).									

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster:	TIME (CONT'D)
1	10:00
2	10:05
3	10:10
4	10:15
5	10:20
6	10:25
7	10:30
8	10:35
9	10:40
10	10:45
11	10:50
12	10:55
13	11:00
14	11:05
15	11:10
16	11:15
17	11:20
18	11:25
19	11:30
20	11:35
21	11:40
22	11:45
23	11:50
24	11:55
25	12:00
26	12:05
27	12:10
28	12:15
29	12:20
30	12:25
31	12:30
32	12:35
33	12:40
34	12:45
35	12:50
36	12:55
37	1:00
38	1:05
39	1:10
40	1:15
41	1:20
42	1:25
43	1:30
44	1:35
45	1:40
46	1:45
47	1:50
48	1:55
49	2:00
50	2:05
51	2:10
52	2:15
53	2:20
54	2:25
55	2:30
56	2:35
57	2:40
58	2:45
59	2:50
60	2:55
61	3:00
62	3:05
63	3:10
64	3:15
65	3:20
66	3:25
67	3:30
68	3:35
69	3:40
70	3:45
71	3:50
72	3:55
73	4:00
74	4:05
75	4:10
76	4:15
77	4:20
78	4:25
79	4:30
80	4:35
81	4:40
82	4:45
83	4:50
84	4:55
85	5:00
86	5:05
87	5:10
88	5:15
89	5:20
90	5:25
91	5:30
92	5:35
93	5:40
94	5:45
95	5:50
96	5:55
97	6:00
98	6:05
99	6:10
100	6:15
101	6:20
102	6:25
103	6:30
104	6:35
105	6:40
106	6:45
107	6:50
108	6:55
109	7:00
110	7:05
111	7:10
112	7:15
113	7:20
114	7:25
115	7:30
116	7:35
117	7:40
118	7:45
119	7:50
120	7:55
121	8:00
122	8:05
123	8:10
124	8:15
125	8:20
126	8:25
127	8:30
128	8:35
129	8:40
130	8:45
131	8:50
132	8:55
133	9:00
134	9:05
135	9:10
136	9:15
137	9:20
138	9:25
139	9:30
140	9:35
141	9:40
142	9:45
143	9:50
144	9:55
145	10:00
146	10:05
147	10:10
148	10:15
149	10:20
150	10:25
151	10:30
152	10:35
153	10:40
154	10:45
155	10:50
156	10:55
157	11:00
158	11:05
1	

performance statements:

[illegible]

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: LINEAR

7D

performance statements:

[illegible]

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster:	WEIGHT
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
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81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

7E

performance statements:

[illegible]

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: LIQUID

7F

performance statements:

[illegible]

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: VOLUME

7G

performance statements:

[illegible]

COMMENTS

VOCATIONAL

sub-skill: MATH/MEASUREMENT

cluster: TEMPERATURE

7H

performance statements:

[illegible]

NEXT STEP SUGGESTIONS

The Task Analysis Chart is intended to show how a vocational task is broken down according to component skills. It is hoped that this chart should help those involved in planning next step tasks for a student to recognize the components for each task and to plan for training prerequisite and component skills. In the example given, the evaluator/planner would include training for each prerequisite skill which is not displayed by the student. This approach provides for coordinated skill development and avoids concentrating on splinter skills. However, in some cases the development of splinter skills may be necessary when, for example, the inability to perform that one task is hindering a student's movement into a less restrictive program.

The sample provided below is for "using a three hole punch". For each step in the task analysis prerequisite and support skill information is provided. Other skills will require different task analyses, prerequisites and support skills.

Skill	Task Analysis	Prerequisite Skills	Support Activities
use triple hole punch (with aligned guide)	1. picks up paper	Pincer grasp on thin objects	any task requiring picking up thin items
	2. aligns paper in punch	eye-hand coordination	cutting with scissors, pegs
	3. releases paper	moves fingers in opposition	any task requiring release
	4. grasps handle	grasps and holds objects	squeezing clay, sponges, clothespins, tubes, etc.
	5. depresses handle with palm of hand	pushes objects using palm	squeezing clay, sponges, clothespins, pushing objects across table, etc.
	6. releases handle	moves fingers in opposition	dropping beads into a can, squeeze toys
	7. grasps paper	grasps the objects	any task requiring picking up thin items, e.g., coins, chip, etc.
	8. removes paper	has eye-hand coordination	turning pages in a book

The Vocational Skill Cluster Chart provides the evaluator with an overview of what milestones are prerequisite for specific vocational skills. The milestones/performance statements are presented in a developmental sequence to assist the planner in perceiving the interrelationship of vocational and prerequisite skills and in identifying and developing next step objectives. This format is used to encourage planners to use a cluster approach to vocational skill development rather than the more traditional linear approach. The chart is intended to be removed from the package and attached onto a wall or bulletin board.

The Program Prototype Prerequisite Skill Lists provide evaluators a brief and concise reference for vocational program planning. They are best utilized as a tool in orienting relative entry/exit skills and behaviors generally associated with three common areas of vocational service delivery. Demonstration of all the skills listed should not be considered mandatory for acceptance into a particular program. Flexibility in program planning should be encouraged to offset exclusionary interpretations. The Prerequisite Skill Lists represent a planning guideline that should be considered in conjunction with other variables critical to decision-making (age, movement to a less restrictive residential setting, specific employment opportunities, etc.).

Prerequisite Skills for Entry to a Pre-Vocational Classroom/Day Activities Center

- * Communicates basic needs: thirst, hunger, sickness, pain, toilet.
- * Dresses appropriately for work.
- * Redresses appropriately after using bathroom.
- * Begins day with clean hands and face.
- * Cleans self (hands, face, clothes, etc.) after eating lunch.
- * Uses toilet semi-independently with maximum of two accidents/month.
- * Present for work an average of 3/5 days.
- * Appears at job station within 5 minutes of being instructed.
- * Punctual in arriving/leaving work.
- * Follows one step instructions of 3-5 words.
- * Responds to one step instructions within one minute.
- * Stabilizes and supports head while sitting and standing.
- * Demonstrates palmar grasp and release of small objects with at least one hand.
- * Demonstrates gross pincer grasp and release of small objects with at least one hand.
- * Maintains personal hygiene: clean shaven, teeth clean, hair combed, nails clean and cut, uses body deodorant, etc.
- * Identifies common articles of clothing.
- * Transfers objects from hand to hand.
- * Attends to task for 10 minutes during one-to-one tutorial.
- * Attends to task at table for 5 minutes independently.
- * Originates and engages in purposive activities.
- * Calls for help in emergencies.
- * Matches common household objects.
- * Retrieves single object placed under one of two cups.

Prerequisite Skills for Entry to an Extended Employment Workshop

- * Recites name and address upon request.
- * Counts items to 10 (with aid of jig).
- * Reads and follows community signs: go, stop, bus, open.
- * Tells and follows time on the hour.
- * Understands purpose of money and wants to work for money.
- * Displays proper table manners.
- * Eats lunch, drinks coffee independently.
- * Toilets independently.
- * Reaches place of work by own transportation arrangement.
- * Present for work an average of 4/5 days.
- * Learns to minimum proficiency new job involving 3-5 steps in 1-6 hours.
- * Follows rules and regulations of the workshop 3/5 days.
- * Recognizes currency to \$1 bill.
- * Pushes/pulls large objects on floor and steers around other objects (furniture).
- * Picks up 10 pencils sequentially with one hand.
- * Folds 8x11" paper in half.
- * Removes carton of materials from waist-level shelf.
- * Attends to task if another person sits opposite or alongside.
- * Takes care of personal belongings.
- * Changes tasks successfully at least once/day.
- * Joins in a group activity.
- * Matches 10 common printed work cards.
- * Sorts upper and lower case letters.
- * Extends an ABCDABCD pattern with colored beads.
- * Collates 4-7 sheets of paper.
- * Assembles simple 3-4 part product.

Prerequisites for Entry to On-the-Job Training/Transitional Sheltered
Employment/Rehabilitation Training Center

- * Responds appropriately to conversation involving complex sentences.
- * Counts items to 100.
- * Tells time to 5 minute accuracy.
- * Understands purpose of money, wants to work for money, and uses money to purchase items.
- * Is present at work 90% of the days.
- * Returns to job station on time following breaks.
- * Average production rate is at least 50% of the industrial norm.
- * Works at job station continuously for one hour.
- * Selects food at cafeteria and places on tray.
- * Wears clean, color coordinated, well fitting clothes.
- * Attends to task despite environmental distractions.
- * Dependably carries out assigned tasks in appropriate time.
- * Begins learned tasks promptly.
- * Waits patiently if delay in transferring or receiving materials during team task.
- * Keeps money in wallet or pocket.
- * Endorses payroll check.
- * Performs 7-10 step task in corresponding sequence.
- * Lifts carton from floor and places on workbench.
- * Builds a tower of 9 blocks.
- * Cuts with scissor on curved line drawn on paper or cloth.
- * Combines 3-4 different sized items with elastic.
- * Conforms to the rules and regulations of the workshop 90% of the time.
- * Assists peers in need without being asked.
- * Maintains productive rate on repetitive tasks for 30 minutes.
- * Combines pictures of objects according to class to type.
- * Staples 6-20 sheets together in upper left corner (sheets even).

OBJECTIVES WORKSHEET

The Objectives Worksheet is provided to aid the evaluator in translating assessment results into behavioral or instructional objectives. The evaluator may be required either to present recommendations to the team in the form of objectives or to construct objectives for the written educational plan.

There are many ways of writing behavioral objectives. This worksheet represents only one approach. The evaluator should feel free to revise the worksheet in whatever way can best meet specific needs.

P.L. 94-142 requires that the written education plan have goals and objectives. Goals are non-measurable statements of desired changes in behavior (e.g., acquire tool use skills, be able to establish social relations with peers). They correspond closely to the EEPP skill "Clusters". Objectives are measurable statements of expected student performance. An objective usually consists of five elements:

- * action - the verb element of the objective
- * setting - at what time and/or in what place will the behavior be exhibited.
- * level of assistance - what type and/or level of assistance will the student receive
- * material acted on - what object is the student to manipulate
- * criteria - how well, quick, long, etc., must the student perform the skill

The Objective Worksheet allows the evaluator to list objectives that relate to each identified goal using a performance statement, conditions, and criteria for format (see sample on next page). The performance statement can be taken directly from the EEPP (it provides the action and the materials). The evaluator should specify setting and assistance under conditions. The criteria for success should be the last element identified. If necessary, the evaluator can then rewrite the objective to make it grammatically correct.

OBJECTIVES WORKSHEET

VOCATIONAL

STUDENT _____

SCHOOL _____

DATE _____

GOAL STATEMENT:

use hand tools

OBJECTIVES

PERFORMANCE STATEMENT

CONDITIONS (SETTING, ASSISTANCE, ETC.)

CRITERIA

uses triple hole punch up to 50 pages unassisted at correct place and without tearing

uses staple gun to attach cloth to box without tearing cloth or bending staples

uses staple gun to seal box unassisted in appropriate section of box

SAMPLE

GOAL STATEMENT:

OBJECTIVES

GOAL STATEMENT:

OBJECTIVES

GOAL STATEMENT:

OBJECTIVES

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